

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT, 102004/003668

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D213/74 A61K31/4965

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 22 30 392 A1 (CASSELLA FARBWERKE MAINKUR A.-G.) 31 January 1974 (1974-01-31) examples 225,245,281,299	1,5,6
X	EP 0 293 744 A1 (BASF A.-G., FED. REP. GER.) 7 December 1988 (1988-12-07) examples 9,18,19; table 1	1
X	WO 03/002544 A (BRISTOL-MYERS SQUIBB COMPANY; PHARMACOPEIA, INC; AHMED, GULZAR; METZGE) 9 January 2003 (2003-01-09) page 56, lines 10-15	1,5,6
Y	----- -/-	11,13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

4 March 2005

Date of mailing of the international search report

11/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Zellner, A

INTERNATIONAL SEARCH REPORT

Intern
Application No
PCT/IB2004/003668

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/186984 A1 (ACKERMANN, JEAN ET AL) 2 October 2003 (2003-10-02) page 18, column 1, paragraph 244	1,4,5
Y	-----	11,13
P,X	WO 2004/058174 A (BAYER PHARMACEUTICALS CORPORATION; CANTIN, LOUIS-DAVID; CHOI, SOONGYU;) 15 July 2004 (2004-07-15) paragraph '0586!; examples 310-312	1
A	EP 1 122 242 A (YAMANOUCHI PHARMACEUTICAL CO. LTD) 8 August 2001 (2001-08-08) page 32; examples 1-23; table 7 -----	1-14

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: —
because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 9 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Inter Application No
PCT/IB2004/003668

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 2230392	A1	31-01-1974	AR 198100 A1	31-05-1974
			BE 801342 A1	26-12-1973
			CH 610889 A5	15-05-1979
			FR 2189402 A1	25-01-1974
			FR 2330679 A1	03-06-1977
			GB 1420987 A	14-01-1976
			IT 1048126 B	20-11-1980
			JP 49062477 A	17-06-1974
			NL 7308294 A	27-12-1973
			US 3954782 A	04-05-1976
			US 3980659 A	14-09-1976
			US 3956294 A	11-05-1976
			US 3947463 A	30-03-1976
			US 3946024 A	23-03-1976
			US 4061642 A	06-12-1977
EP 0293744	A1	07-12-1988	DE 3718314 A1	22-12-1988
			DE 3861061 D1	20-12-1990
			ES 2019431 T5	16-06-1991
			JP 1156931 A	20-06-1989
			JP 2515375 B2	10-07-1996
WO 03002544	A	09-01-2003	CA 2451128 A1	09-01-2003
			EP 1406875 A1	14-04-2004
			HU 0401711 A2	28-12-2004
			JP 2004535447 T	25-11-2004
			WO 03002544 A1	09-01-2003
			US 2003139435 A1	24-07-2003
US 2003186984	A1	02-10-2003	AU 2002366732 A1	09-07-2003
			BR 0215257 A	07-12-2004
			CA 2469380 A1	03-07-2003
			WO 03053933 A1	03-07-2003
			EP 1458683 A1	22-09-2004
WO 2004058174	A	15-07-2004	WO 2004058174 A2	15-07-2004
EP 1122242	A	08-08-2001	AU 754529 B2	21-11-2002
			AU 5654499 A	10-04-2000
			BR 9914018 A	03-07-2001
			CA 2345146 A1	30-03-2000
			EP 1122242 A1	08-08-2001
			JP 3390744 B2	31-03-2003
			US 2004010037 A1	15-01-2004
			US 6673799 B1	06-01-2004
			CN 1129581 C	03-12-2003
			WO 0017163 A1	30-03-2000
			JP 2003137873 A	14-05-2003
			PL 346795 A1	25-02-2002
			RU 2221785 C2	20-01-2004